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Application ID: 09681732
Title of Invention: SYSTEM AND METHOD FOR
DESIGN OF EXPERIMENTS USING
DIRECT SURFACE MANIPULATION
OF A MESH MODEL
First Named Inventor: Paul Stewart
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-05-30
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Filing Type: new-utility
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Attorney Docket Number: 200-1452 DBK
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Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: yYV+CWRQcVaU4sdmN6CMPQ==
Total Fees Authorized: \$750.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles



TRANSMITTAL FORM

jc474 U.S. PTO
09/681732
05/30/01

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Stylesheet Version: 1.0

Attorney Docket
Number:

200-1452
DBK

SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE MANIPULATION OF A MESH MODEL

First Named Inventor: Paul Joseph Stewart

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20010530

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405</
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decl 1 of 2.tif
decl 2 of 2.tif
prior art.tif
consent.tif

Comments:

[illegible]

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

Attorney's Docket No
200-1452

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is and for which a patent is sought on the invention entitled

SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE MANIPULATION OF A MES

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of prior to this application by me or my legal representatives or assigns,

☒ no such applications have been filed, or☐ such applications have been filed as follows

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIM UNDER 35 USC 1

☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)	FILING DATE (month, day, year)	<input type="checkbox"/> Additional provisional numbers are listed on a separate priority data sheet PTO/SB/ attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56(b) which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith and to act in behalf before the competent International Authorities in connection with any and all international applications filed by me (List name and registration number)

Daniel H. Bliss - 32,398

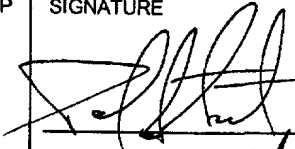
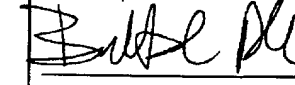
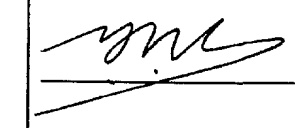
David B. Kelley - 33,718

William J. Coughlin - 29,143

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements would jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Paul Joseph Stewart 1224 Waterways Drive Ann Arbor, MI 48108 US	Ann Arbor, MI 48108 US	Canada	
Pietro Buttolo 5148 Heather Dr. #109 Dearborn, MI 48126 US	Dearborn, MI 48126 US	Italy	
Yifan Chen 4746 Sawgrass Dr. W. Ann Arbor, MI 48108 US	Ann Arbor, MI 48108 US	U.S.A	

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

200-1452

Application Number

Applicant(s)

Paul J. Stewart et al.

Filing Date

Concurrently Herewith

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
		4,821,214	04/11/1989	Sederberg		
		5,119,309	06/02/1992	Cavendish et al.		
		5,179,644	01/12/1993	Chiyokura et al.		
		5,253,331	10/12/1993	Lorenzen et al.		
		5,504,845	04/02/1996	Vecchione		
		5,903,458	05/11/1999	Stewart et al.		

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page)

		Duane S. Boning and P. K. Mozumder, "DOE/Opt: A system For Design Of Experiements, Response Surfa Optimization Using Process And Device Simulation", Semiconductor Process and Design Center, Decembe
		Yifan Chen, Paul Stewart and, Pietro Buttolo, "A Real-Time, Interactive Method For Fast Modification O CAE Mesh Models", ASME 2000 Design Engineering Technical Conferences and Computers and Informa Engineering Conference, September 10-13,2000.

EXAMINER

DATE CONSIDERED

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 200-1482
Date April 23, 2007


Sir:

Inventor(s)
Yifan Chen
Paul Stewart
Pietro Buttolo

For: SYSTEM AND METHOD FOR DESIGN OF EXPERIMENTS USING DIRECT SURFACE
MANIPULATION OF A MESH MODEL

The attorney or agent below has reviewed this application and its attachments and consents to
electronic filing by the assignee.

Respectfully submitted:



David B. Kelley
Attorney or Agent of Record
Registration No. 33,718
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Dearborn, MI 48128
Telephone: 1-313-545-487

FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 750

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20010530

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 80	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

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6897	apby	qym	elony	sB	morg	omch	myrg		apby	pmor	omy	akha	apny	sE
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